

REMARKS

Applicants have amended claims 1, 7 and 16 and believe the application is in condition for allowance. Applicants believe that no new matter has been added by the claim amendments.

Double Patenting Rejection

The Examiner rejected claims 1-15 under the judicially created doctrine of obvious-type double patenting. Applicants have amended independent claims 1 and 7. Independent claims 1 and 7 are now distinct from the claims in U.S. Patent No. 6,738,013.

The Examiner also rejected claims 16-19 with a statutory type double patenting rejection under 35 U.S.C. 101. Applicants have amended independent claim 16. Independent claim 16 is now distinct from the claims of U.S. Patent No. 6,738,013.

Applicants do not believe the claims as presented are coextensively in scope. But have amended the claims to expedite the issuance of this application. Therefore, the rejection of independent claims 1, 7 and 16, along with dependent claims 2-6, 8-15, and 17-19 are now moot.

35 U.S.C. 102

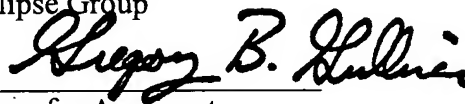
The Examiner rejected claims 1-15 under 35 U.S.C. 102(b) as being anticipated by Hitch et al. (US Pat. No. 5,861,842) and 35 U.S.C. 102(e) as being anticipated by Durst et al. (US Pat. No. 6,518,919). Applicants have amended claims 1 and 7 to require that SATPS to be configured based upon the operating environment. Applicants have also added elements further describing the outputs to include: in-phase output, quadrature-phase output, and Intermediate Frequency (IF) output. Neither the Hitch et al. patent or the Durst et al. patent teach or describe all the elements contained in the independent claims 1 and 7.

Therefore, independent claims 1 and 7, along with dependent claims 2-6 and 8-15 are now in condition for allowance.

Conclusion

Applicants respectfully submit that the claims 1-19 as now presented are in condition for allowance and earnestly request such action.

Respectfully submitted,
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